

REPORT

SECRET

DATE DISTR. 4 Sep 1950

NO. OF PAGES 7

NO. OF ENCLS.
(LISTED BELOW)

SUPPLEMENT TO
REPORT NO. 25X1X

25X1C

DATE
ACQUIRED BY SOURCE

DATE OF INFORMATION

1. The results of the analysis are as follows:

- a.. The sample is identified as amorphous sodium penicillin.
- b. It contains 14.2% penicillin "G" and 44.3% penicillin "K".
- c. Its potency is 833 units per milligram.
- d. Its pH in aqueous solution is 5.3.
- e. It is sterile.
- f. It is free from pyrogens.
- g. It passes the (U.S. Food & Drug Administration) safety test.
- h. Its potency on a vial basis is 212,000 units per vial.

2. The evaluation of the sample tested is as follows:

- a. Except for its penicillin "K" content, this penicillin is comparable to that produced in the USA during 1945. In 1945, the U.S. manufacturers were producing penicillin having a purity of from 800 to 1,000 units per milligram.
- b. No amorphous penicillin is produced in the USA today. Of current USA production (16 thousand billion units per month) over 95% is crystalline penicillin "G" and the remainder is crystalline penicillin.
- c. The U. S. Food and Drug Administration would refuse to certify this sample because of its high penicillin "K" content. Because of the poor therapeutic effect of penicillin "K", no lot is certifiable by USA standards if it contains 30% or more of penicillin "K".

- end

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